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Terms: **patno=6030308** ([Edit Search](#))

128705 (00) 6030308 February 29, 2000

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6030308

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February 29, 2000

Adjustable endless belt for use in power transmission and apparatus and methods for forming belt

INVENTOR: Beck, Paul, 21660 Pacific Coast Malibu, CA 90265

APPL-NO: 128705 (00)


FILED-DATE: August 4, 1998

GRANTED-DATE: February 29, 2000

CORE TERMS: belt, ribbon, adhesive, channel, reinforcing, roller, drive, slit, gear, fiber ...

ENGLISH-ABST:

An endless belt particularly adapted for use in high speed power transmission, commonly termed a fan belt, which is particularly adapted to be readily formed on site to any desired length and methods and apparatus for forming the belt. The belt is comprised of an outer length of flexible tear-resistant material having abutting ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough. An inelastic ribbon of flexible tear-resistant material is disposed within the channel and extends about the loop defined by the outer length of material such that the ribbon extends across the abutting ends of the outer length of material and the ends of the reinforcing ribbon are in an abutting relationship within the channel at a location substantially diametrically opposed across the formed loop from the abutting ends of the outer length of material. An adhesive is disposed within the channel about the reinforcing ribbon securing the ribbon to the outer length of material so as to maintain the outer length of material in a closed loop configuration of predetermined size.

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Terms: **patno=6030308** ([Edit Search](#))

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Date/Time: Thursday, July 29, 2004 - 11:08 AM EDT

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Query/Command : US6030308/PN

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Patent Number :

US6030308 A 20000229 [US6030308]

Title :

(A) Adjustable endless belt for use in power transmission and apparatus and methods for forming belt

Inventor(s) :

(A) BECK PAUL (US)

Application Nbr :

US12870598 19980804 [1998US-0128705]

Filing Details :

C.I.P. of US863392 19970527 [1997US-0863392]

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Continuation-in-part of: US5788595

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Priority Details :

US12870598 19980804 [1998US-0128705]

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Intl Patent Class :

(A) F16G-003/10

EPO ECLA Class :

B29D-029/10B

F16G-003/10

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F16G-005/06

F16G-005/16

F16G-007/00

US Patent Class :

ORIGINAL (O) : 474254000; CROSS-REFERENCE (X) : 474264000 474268000

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Publication Stage :

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Abstract :

An endless belt particularly adapted for use in high speed power transmission, commonly termed a fan belt, which is particularly adapted to be readily formed on site to any desired length and methods and apparatus for forming the belt. The belt is comprised of an outer length of flexible tear-resistant material having abutting ends so as to form a closed loop and defining an endless channel extending longitudinally therethrough. An inelastic ribbon of flexible tear-resistant material is disposed within the channel and extends about the loop defined by the outer length of material such that the ribbon extends across the abutting ends of the outer length of material and the ends of the reinforcing ribbon are in an abutting relationship within the channel at a location substantially diametrically opposed across the formed loop from the abutting ends of the outer length of material. An adhesive is disposed within the channel about the reinforcing ribbon securing the ribbon to the outer length of material so as to maintain the outer length of material in a closed loop configuration of predetermined size.

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1 / 1 CRXX - ©CLAIMS/RRX

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Patent Assignee :

Beck, Paul

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Patent Number :

US 6030308 A 20000229 [US6030308]

Title :

ADJUSTABLE ENDLESS BELT FOR USE IN POWER TRANSMISSION AND APPARATUS AND
METHODS FOR FORMING BELT

Inventor(s) :

BECK PAUL [US]

Patent Assignee (Words) :

BECK PAUL [US]

Application Details :

US 128705/98-A 19980804 [1998US-0128705]

Priority Details :

US 128705/98-A 19980804 [1998US-0128705]

US 863392/97-A2 19970527 [1997US-0863392]

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Intl. Patent Class. :

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